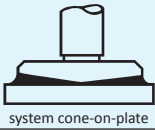




## Product Specifications

### Laboratory Data:

Shear Viscosity (DIN 51810-1)		
cone CP25 1° $\dot{\gamma} = 1000/s$	Temperature	$\eta$ (mPa·s)
 system cone-on-plate	25 °C [77 °F]	365 - 495
Viscosity-Index (ISO)		140 (base oil)
Flow Behaviour		intrinsically viscous
Viscosity-Temperature-Behaviour		good

<b>Color</b>	white
<b>Oil Separation (FTMS)</b> 48 hrs/85 °C [185 °F]	18 %
<b>Permanent Low Temperature</b> Base Oil 72 hrs fluid	-45 °C [-49 °F]
<b>Application Temperature</b>	-40 °C to +200 °C [-40 °F to +292 °F]

<b>Base Oil</b>	perfluorinated polyether
<b>Viscosity Base Oil</b> 20 °C [68 °F]	70 mm²/s
<b>Thickener</b>	micro PTFE powder no metallic soaps
<b>Durability</b>	excellent
<b>Drop Stability</b>	good
<b>Compatibility with Plastics</b>	very good

### Comments:

Problem solver for difficult sliding processes even under extreme environmental conditions. High resistance against ageing and oxidation reactions. Incorporated micro PTFE powder guarantees emergency running properties. Very good stick slip damping. No diffusion of thickener into plastic materials.

If application is intended on steel at high humidities and higher temperatures at the same time, component tests are recommended before use.

P150c

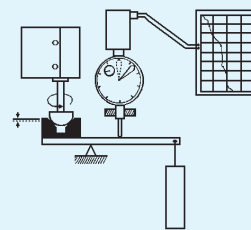
# Fluorstatic 70 PTFE

Article No. TF2450

## Precision Grease for Metals and Plastics

### Tribological Data:

Test System: sphere on prism (ISO 7148/2)



friction moment M  
1/2" sphere  
prism  
normal load  $F_N$

#### Friction Behaviour

dependent on sliding speed

$v$ (mm/s)	$f$	friction coefficient $f$			
		0.1	0.2	0.3	0.4
0	0.07				
20	0.03				
50	0.03				
200	0.03				

materials: steel/POM, load 3 N, 25 °C [77 °F]  
lubricant: Fluorstatic 70 PTFE

#### Wear Behaviour

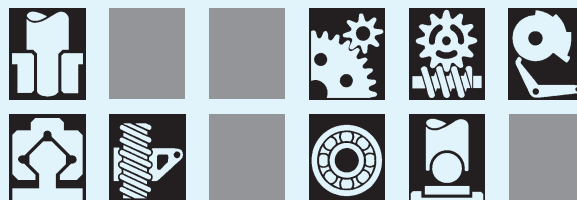
comparison: dry and lubricated with Fluorstatic 70 PTFE

materials	wear (in mm)				
	0.01	0.03	0.1	0.3	1.0
St/brass: TF2450					
dry					
St/POM: TF2450					
dry					

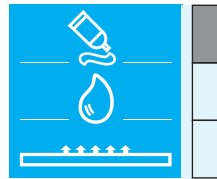
test parameters: load 30 N, distance 10 km,  
25 °C [77 °F],  $v=28.1$  mm/s

### Application:

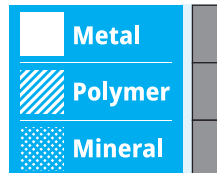
For metal/metal, metal/jewel, metal/plastic and plastic/plastic bearings. For miniature bearings, precision gears, instruments, plotters, printers, clock movements, linear guiding systems, connecting links, ball bearings, controls, automotive, aviation and nautical instruments, offshore instruments.



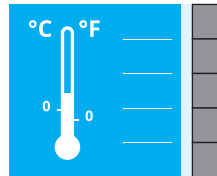
#### Product



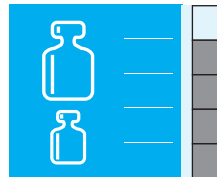
#### Bearing material



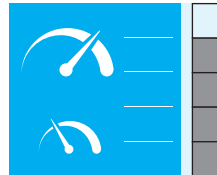
#### Application temperature



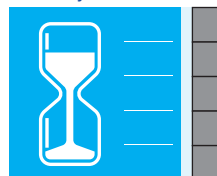
#### Bearing load



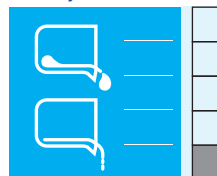
#### Sliding speed



#### Durability



#### Viscosity



#### Wetting

